

REMARKS

In response to the notice of non-compliant amendment, applicants submit herewith a replacement FIGURE 6 and new FIGURES 6A and 6B related to the description beginning at page 8, line 9 as requested by the Examiner.

Claim 5 has been amended to recite that the saturable absorption regions are provided at the input ports or the output ports. In view of this amendment, new FIGURE 10 has been added to illustrate that the saturable regions are provided in the output ports. Original FIGURE 2 illustrates saturable absorption regions at the input ports.

By amendment above, the brief description of the drawings has been amended to reflect the addition of new FIGURES 6A, 6B, and 10.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service in a sealed envelope as first class mail with postage thereon fully prepaid and addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the below date.

Date: 9/29/05

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AMENDMENTS TO THE DRAWINGS

The drawings have been amended as described below. Original FIGURE 6 has been deleted and replaced with a new FIGURE 6. New FIGURE 6 illustrates the subject matter of original FIGURE 6 in an alternative manner which is believed to be more acceptable to the Examiner.

New FIGURE 6A has been added at the request of the Examiner and relates to a logic table for the flip-flop of original FIGURE 6 and new FIGURE 6.

New FIGURE 6B has been added and represents logic gates for the flip-flop of original FIGURE 6 and new FIGURE 6.

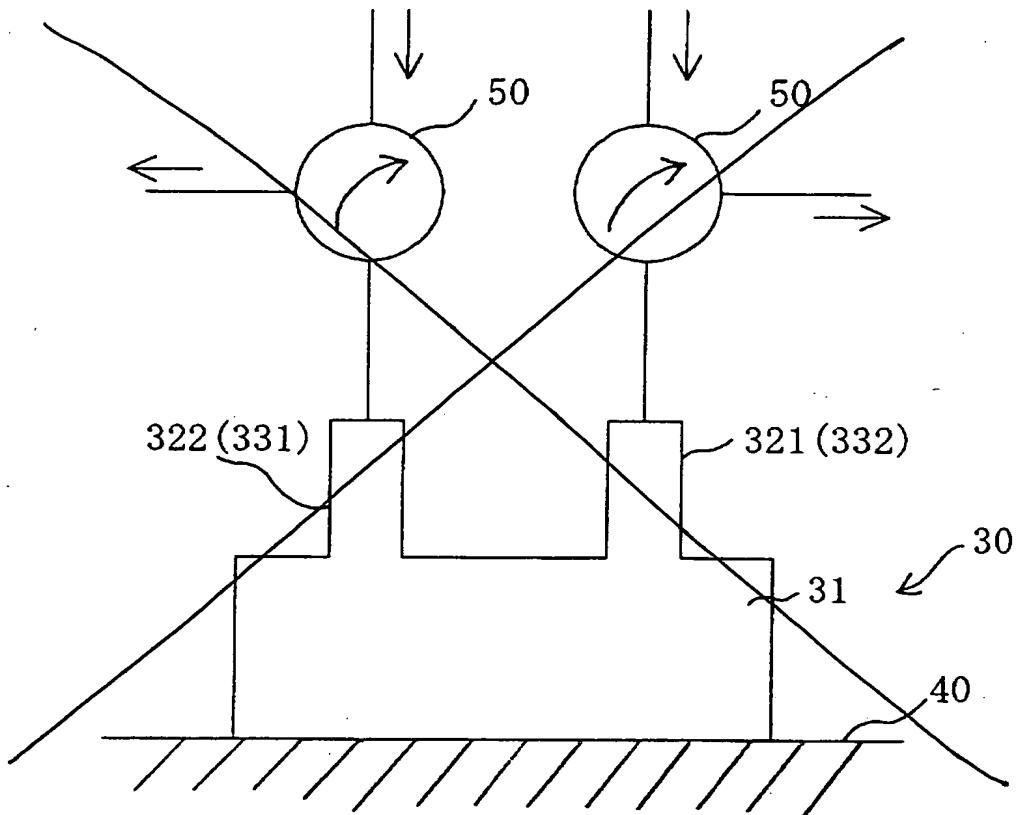
FIGURE 10 has been added to the application. FIGURE 10 corresponds essentially to FIGURE 2; however, unlike FIGURE 2, saturable absorption regions 34 are present in the non-inverting output port 331 and the inverting output port 332. In FIGURE 10, unlike FIGURE 2, saturable absorption regions are not present in set port 321 and reset port 322. The changes described above are illustrated in the sheet submitted herewith entitled ANNOTATED MARKED UP DRAWINGS.

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~~Fig. 6~~

ANNOTATED MARKED-UP DRAWINGS



ORIGINAL FIGURE 6
REPLACED WITH NEW
FIGURE 6.

NEW FIGURES 6A AND
6B ADDED.

NEW FIGURE 10 ADDED